



Development and Validation of a Self-Efficacy Item Bank

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▼ Abstract

This study establishes a new item bank for self-efficacy for the PROMIS project. Self-efficacy is defined as an individual's perception of their ability to successfully perform certain tasks or behaviors, or more specifically, as the belief that one can carry out a behavior to achieve a desired goal related to one's health. Our study will focus upon self-efficacy for self-management of chronic medical conditions. The significance of self-efficacy is based on two main features: 1) self-efficacy is a pivotal mediator of human behavior and 2) self-efficacy has been shown to be modifiable by interventions that foster self-management skills. Successful adjustment and good outcomes in chronic disorders depend upon the ability to adopt and master new behaviors. A multi-step process will be employed to develop the item pool, with contributions from experts in the field of self-efficacy, clinicians, and patients. Validation studies of the self-efficacy item pool will be conducted in five chronic neurologic disorders: epilepsy, multiple sclerosis, Parkinson's disease, peripheral neuropathy, and stroke. We will investigate the effects of diverse clinical features of these disorders on self-efficacy. Based on patient-reported data, we will also assess the magnitude of a clinically important difference and the responsiveness to change of the new self-efficacy measures. Relevance Developing the PROMIS self-efficacy item bank will raise awareness and promote clinical research in self-efficacy in many chronic disorders, thereby pushing this important field forward. The ultimate goal of these studies is to provide information that will aid in the development of interventions to improve self-efficacy, promote self-management and reduce and delay disability.

Public Health Relevance

Developing the PROMIS self-efficacy item bank will raise awareness and promote clinical research in self-efficacy in many chronic disorders, thereby pushing this important field forward. The ultimate goal of these studies is to provide information that will aid in the development of interventions to improve self-efficacy, promote self-management and reduce and delay disability.

▼ Funding Agency

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▼ Institution

Name University of Maryland Baltimore
Department Neurology
Type Schools of Medicine
DUNS # 188435911
City Baltimore
State MD
Country United States
Zip Code 21201

▼ Related projects

NIH 2012 U01 AR	Development and Validation of a Self-Efficacy Item Bank Shulman, Lisa M. / University of Maryland Baltimore	\$598,839
NIH 2011 U01 AR	Development and Validation of a Self-Efficacy Item Bank Shulman, Lisa M. / University of Maryland Baltimore	\$623,839
NIH 2010 U01 AR	Development and Validation of a Self-Efficacy Item Bank Shulman, Lisa M. / University of Maryland Baltimore	\$649,834
NIH 2009 U01 AR	Development and Validation of a Self-Efficacy Item Bank Shulman, Lisa M. / University of Maryland Baltimore	\$656,398

▼ Publications

Reeve, Bryce B; Edwards, Lloyd J; Jaeger, Byron C et al. **(2018)** Assessing responsiveness over time of the PROMIS® pediatric symptom and function measures in cancer, nephrotic syndrome, and sickle cell disease. *Qual Life Res* 27:249-257

Zhao, Yue **(2017)** Impact of IRT item misfit on score estimates and severity classifications: an examination of PROMIS depression and pain interference item banks. *Qual Life Res* 26:555-564

Morgan, Esi M; Mara, Constance A; Huang, Bin et al. **(2017)** Establishing clinical meaning and defining important differences for Patient-Reported Outcomes Measurement Information System (PROMIS®) measures in juvenile idiopathic arthritis using standard setting with patients, parents, and providers. *Qual Life Res* 26:565-586

Bevans, Katherine B; Riley, Anne W; Landgraf, Jeanne M et al. **(2017)** Children's family experiences: development of the PROMIS® pediatric family relationships measures. *Qual Life Res* 26:3011-3023

Lee, Augustine C; Driban, Jeffrey B; Price, Lori Lyn et al. **(2017)** Responsiveness and Minimally Important Differences for 4 Patient-Reported Outcomes Measurement Information System Short Forms: Physical Function, Pain Interference, Depression, and Anxiety in Knee Osteoarthritis. *J Pain* 18:1096-1110

Moinpour, Carol M; Donaldson, Gary W; Davis, Kimberly M et al. **(2017)** The challenge of measuring intra-individual change in fatigue during cancer treatment. *Qual Life Res* 26:259-271

Cunningham, Natoshia R; Kashikar-Zuck, Susmita; Mara, Constance et al. **(2017)** Development and validation of the self-reported PROMIS pediatric pain behavior item bank and short form scale. *Pain* 158:1323-1331

Hedrick, Traci L; Harrigan, Amy M; Thiele, Robert H et al. **(2017)** A pilot study of patient-centered outcome assessment using PROMIS for patients undergoing colorectal surgery. *Support Care Cancer* 25:3103-3112

Brandon, Timothy G; Becker, Brandon D; Bevans, Katherine B et al. **(2017)** Patient-Reported Outcomes Measurement Information System Tools for Collecting Patient-Reported Outcomes in Children With Juvenile Arthritis. *Arthritis Care Res (Hoboken)* 69:393-402

Howell, Carrie R; Thompson, Lindsay A; Gross, Heather E et al. **(2017)** Association of consistently suboptimal quality of life with consistently poor asthma control in children with asthma. *Ann Allergy Asthma Immunol* 119:562-564.e1

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